Journal of Magnetism and Magnetic Materials 120 (1993) 383–388
North-Holland

Author index to volume 120

Akhter, M.A., see D.J. Mapps 120 (1993) 305
Arai, T., see H. Sugaya 120 (1993) 106
Arisaka, Y., see J. Hokkyo 120 (1993) 281
Auweter, H., see E. Schwab 120 (1993) 43

Barnaś, J., see L. Smardz 120 (1993) 239
Bärwolff, G., see B. Dreßler 120 (1993) 319
Bechevet, B., see M. Kenny 120 (1993) 265
Berkov, D.V. and R.W. Chantrell, Transverse susceptibility for the fanning mode of magnetisation reversal 120 (1993) 200
Berkowitz, A.E., see F.E. Spada 120 (1993) 129
Bernards, J.P.C. and H.A.J. Cramer, Remanence curves of thin-film media with a tilted easy magnetisation direction corrected for demagnetisation 120 (1993) 221
Bernards, J.P.C., see J.P.J. Groenland 120 (1993) 327
Bissell, P.R., see P.M. Sollis 120 (1993) 94
Bissell, P.R., see M. S-Araghi 120 (1993) 160
Bonino, J.-P., see I. Chassaing 120 (1993) 274
Bottoni, G., Reversal modes in particles for magnetic recording modified with ionic substitutions 120 (1993) 141
Bottoni, G., D. Candolfo, M. Cecchetti, A.R. Corradi and F. Masoli, Influence of the packing density on the coercivity of iron particles for magnetic recording 120 (1993) 167
Bottoni, G., D. Candolfo, A. Cecchetti, V.M. Fedosyuk and F. Masoli, Magnetization processes in CoNiW films 120 (1993) 213
Bozzini, B., D. De Vita, A. Sportoletti, G. Zangari, P.L. Cavallotti and E. Terrenzio, Electrodeposited Co–Pt thin films for magnetic hard disks 120 (1993) 300
Burbage, J., see D. Speliotis 120 (1993) 172

Candolfo, D., see G. Bottoni 120 (1993) 167, 213
Cascini, E., Relativity of the dropouts measurement process 120 (1993) 119
Cavallotti, P.L., see B. Bozzini 120 (1993) 300
Cecchetti, A., see G. Bottoni 120 (1993) 213
Cecchetti, M., see G. Bottoni 120 (1993) 167
Chang, C.-R., see H.-L. Huang 120 (1993) 177
Chang, C.-R. and J.-P. Shyu, Particle interaction and coercivity for acicular particles 120 (1993) 197
Chang, C.-R., see J.H. Hsu 120 (1993) 342
Chantrell, R.W., see M. El-Hilo 120 (1993) 244
Chantrell, R.W., see P.M. Sollis 120 (1993) 94
Chantrell, R.W., see M. van Kooten 120 (1993) 145
Chantrell, R.W., see M. S-Araghi 120 (1993) 160
Chantrell, R.W., see A.M. de Witte 120 (1993) 184, 187
Chantrell, R.W., see D.V. Berkov 120 (1993) 200
Chantrell, R.W., see H. Pfeiffer 120 (1993) 203
Chantrell, R.W., see G.N. Coverdale 120 (1993) 210
Chapman, J.N., see D.M. Donnet 120 (1993) 268
Chapman, J.N., see P. ten Berge 120 (1993) 362
Chassaing, I., J.-P. Bonino, P. Tailhades, A. Rousset and P. Mollard, Microstructure and magneto-optical properties of $CoMn_xFe_{2-x}O_4$ spinel ferrite thin films 120 (1993) 274
Chen, Q., see D. Perettie 120 (1993) 334
Chiba, K., see J. Hokkyo 120 (1993) 281
Chin, T.-S., see M.-C. Deng 120 (1993) 37
Chin, T.-S., S.L. Hsu and M.C. Deng, Barium ferrite particulates prepared by a salt-melt method 120 (1993) 64
Clegg, W.W., see B. Liu 120 (1993) 154, 259
Cord, B., S. Schulz and K.H. Schuller, Single-disk process technology for magnetic media 120 (1993) 330
Corradi, A.R., see G. Bottoni 120 (1993) 167
Coverdale, G.N., R.W. Chantrell, A. Hart and D. Parker, A 3-D simulation of a particulate dispersion 120 (1993) 210
Cramer, H.A.J., see J.P.C. Bernards 120 (1993) 221
Cramer, H.A.J., see J.P.J. Groenland 120 (1993) 327

Daval, J., see M. Kenny 120 (1993) 265
de Haan, P., see H. Fredrikze 120 (1993) 369
de Haan, P., see W.H. Kraan 120 (1993) 372
de Haan, S., see M. van Kooten 120 (1993) 145
De Vita, D., see B. Bozzini 120 (1993) 300
de Witte, A.M., M. El-Hilo, K. O'Grady and R.W. Chantrell, Sweep rate measurements of coercivity in particulate recording media 120 (1993) 184
de Witte, A.M., K. O'Grady and R.W. Chantrell, The determination of the fluctuation field in particulate media 120 (1993) 187
Della Torre, E., see F. Vajda 120 (1993) 289
Deng, M.-C. and T.-S. Chin, Effects of composition and processing on properties of modified maghemite for high-density recording 120 (1993) 37
Deng, M.C., see T.-S. Chin 120 (1993) 64

0304-8853/93/$06.00 © 1993 – Elsevier Science Publishers B.V. All rights reserved

Deshpandey, C., see M.R. Khan 120 (1993) 310
Devlin, E., V. Psycharis, A. Kostikas, A. Simopoulos, D. Niarchos, A. Jankowski, T. Tsakalakos, H. Wan and G. Hadjipanayis, Structure and magnetic anisotropy of Fe/Pt multilayers 120 (1993) 236
Dickson, D.P.E., see V.K. Sankaranarayanan 120 (1993) 73
Dinnis, A.K., B.K. Middleton and J.J. Miles, Theory of longitudinal digital magnetic recording on thick media 120 (1993) 149
Donnet, D.M., J.N. Chapman, H.W. van Kesteren and W.B. Zeper, An investigation of thermomagnetically written domains in Co/Pt multilayers 120 (1993) 268
Dreßler, B., K. Graichen, G. Bärwolff, L. Jehring and G. Seifert, Air-lubrication of magnetic disk sliders 120 (1993) 319
Duan, S., see M.R. Khan 120 (1993) 310
Dupuy, O., see M. Gougeon 120 (1993) 40

Ebine, Y., see J. Hokkyo 120 (1993) 281
Echigo, F., see H. Komoda 120 (1993) 16
El-Hilo, M., see A.M. de Witte 120 (1993) 184
El-Hilo, M., K. O'Grady and R.W. Chantrell, Demagnetised states and activation volumes in thin-film media 120 (1993) 244

Fedosyuk, V.M., see G. Bottoni 120 (1993) 213
Fischer, G., see H.P. Schildberg 120 (1993) 292
Fredrikze, H., P. de Haan, J.C. Lodder and M.Th. Rekveldt, Neutron reflectometry on Co–Cr layers 120 (1993) 369

Georgiou, J., see G. Litsardakis 120 (1993) 58
Germi, P., see G. Litsardakis 120 (1993) 58
Germi, P., see V.V. Pankov 120 (1993) 69
Gilson, R.G., see P.M. Sollis 120 (1993) 94
Gilson, R.G., Drying of particulate media coatings 120 (1993) 97
Glasgow, P.D., see K.J. Kim 120 (1993) 87
Goerlitz, W. and A. Ito, Substrates for flexible magnetic recording media: The role of base films for modern performance requirements 120 (1993) 76
Gontarz, R., see L. Smardz 120 (1993) 239
Gontarz, R., L. Smardz, B. Szymanski and P. Juzikis, Magnetic properties of electrolytic Co–Pd alloy films 120 (1993) 278
Götz, K., CrO_2 particles for DCC tape 120 (1993) 19
Gougeon, M., O. Dupuy, Ch. Sarda, P. Mollard and A. Rousset, Influence of barium on the Co modification of γ-Fe_2O_3 particles derived from oxalic precursors 120 (1993) 40
Graichen, K., see B. Dreßler 120 (1993) 319
Groenland, J.P.J., G.J.P. van Engelen, J.P.C. Bernards and H.A.J. Cramer, Investigating recording patterns using magnetic force microscopy 120 (1993) 327
Grundy, P.J., see H. Matsuda 120 (1993) 338
Güntherodt, H.-J., see A. Wadas 120 (1993) 379

Hadjipanayis, G., see E. Devlin 120 (1993) 236
Hagemeyer, A., see H.P. Schildberg 120 (1993) 292
Harrell, J.W., see D. Richards 120 (1993) 164
Harrell, J.W., see K. Song 120 (1993) 180
Hart, A., see G.N. Coverdale 120 (1993) 210
Hasegawa, M., see H. Komoda 120 (1993) 16
Held, E., see M. Rösler 120 (1993) 48
Held, E., see E. Papirer 120 (1993) 53
Hibst, H., see H.J. Richter 120 (1993) 217
Hibst, H., see H.P. Schildberg 120 (1993) 292
Hirata, T., K. Song and M. Naoe, Co–Cr/Al multilayers for perpendicular magnetic/magneto-optical two-way recording media 120 (1993) 254
Hofmeister, H., see M. Rösler 120 (1993) 48
Hokkyo, J., T. Suzuki, K. Chiba, K. Sato, Y. Arisaka, T. Sasaki and Y. Ebine, Co–Ni obliquely evaporated tape and its magnetic and recording characteristics 120 (1993) 281
Hsu, J.H. and C.-R. Chang, Origin of enhanced coercivity in $(Fe_{65}Co_{35})_x(Al_2O_3)_{1-x}$ granular thin films 120 (1993) 342
Hsu, S.L., see T.-S. Chin 120 (1993) 64
Huang, H.-L., I. Klik, C.-R. Chang and K.-K. Liang, Coercivity dynamics in micromagnets 120 (1993) 177
Hug, H.J., see A. Wadas 120 (1993) 379
Hwang, W., see D. Perettie 120 (1993) 334

Ichinose, Y., see T. Ishiguro 120 (1993) 366
Ishiguro, T., S. Yamada, K. Katagiri and Y. Ichinose, Pole density distributions in Co/Cr bilayers and magnetic properties 120 (1993) 366
Ishikawa, A., T. Ohno, S. Sakano and Y. Shiroishi, Effects of substrate microstructure on the magnetic anisotropy of sputtered cobalt alloy film 120 (1993) 357
Ito, A., see W. Goerlitz 120 (1993) 76

Jankowski, A., see E. Devlin 120 (1993) 236
Jehring, L., see B. Dreßler 120 (1993) 319
Johnson, C.E., see V.K. Sankaranarayanan 120 (1993) 73
Johnson, C.E., see D.E. Speliotis 120 (1993) 112
Jones, G.A., see H. Matsuda 120 (1993) 338
Judge, P., see D. Speliotis 120 (1993) 172
Judy, J., see D. Perettie 120 (1993) 334
Judy, J.H., see C.-L. Lin 120 (1993) 125
Judy, J.H., see T.-A. Yeh 120 (1993) 314
Juzikis, P., see R. Gontarz 120 (1993) 278

Kaminaka, N., see H. Komoda 120 (1993) 16
Katagiri, K., see T. Ishiguro 120 (1993) 366
Keirsted, R., see D. Speliotis 120 (1993) 172

Kenny, M., I.Z. Rahman, M.A. Rahman, B. Bechevet, J. Mouchot and J. Daval, Thermomagnetic recording properties of novel bismuth-substituted garnet films 120 (1993) 265
Khan, M.R., B. Marchon, J.L. Pressesky, S.Y. Lee, C. Deshpandey, S. Duan, D. Speliotis and M. Scheinfein, Correlations of modulation noise with magnetic microstructure, transition parameter and rms transition variation for CoCrTa and CoNi thin film media 120 (1993) 310
Kim, K.J., P.D. Glasgow and E.G. Kolycheck, A road to stable dispersions: polymer–particle interactions 120 (1993) 87
Kishimoto, Y., see T. Suzuki 120 (1993) 25
Klik, I., see H.-L. Huang 120 (1993) 177
Kolycheck, E.G., see K.J. Kim 120 (1993) 87
Komoda, H., F. Echigo, M. Hasegawa and N. Kaminaka, Magnetic recording characteristics of a flexible disk with a nonmagnetic underlayer 120 (1993) 16
Köster, E., Trends in magnetic recording media *(Opening Lecture)* 120 (1993) 1
Kostikas, A., see E. Devlin 120 (1993) 236
Kraan, W.H., M.Th. Rekveldt, P. de Haan and J.C. Lodder, Domain wall effects in neutron depolarisation in Co–Cr films 120 (1993) 372
Kryder, M.H., see L. Lekawat 120 (1993) 103

Lee, S.Y., see M.R. Khan 120 (1993) 310
Lekawat, L., G.W.D. Spratt and M.H. Kryder, Erasure of high-energy magnetic tape recording media 120 (1993) 103
Li Hui Hong, J.K., B.K. Middleton and J.J. Miles, Modelling of recording system performance and its relationship to recording media properties 120 (1993) 206
Liang, K.-K., see H.-L. Huang 120 (1993) 177
Lin, C.-L., T.-A. Yeh, J.M. Sivertsen and J.H. Judy, Finite element stress analysis of the inhomogeneous carbon overcoat for rigid magnetic disks 120 (1993) 125
Lin, C.-L., see T.-A. Yeh 120 (1993) 314
Litsardakis, G., A.C. Stergiou, J. Georgiou, S. Sklavounos, D. Samaras, M. Pernet and P. Germi, Non-stoichiometric barium ferrite particles for high-density magnetic recording 120 (1993) 58
Liu, B. and W.W. Clegg, A two stage model for the transition process in perpendicular magnetic recording 120 (1993) 154
Liu, B., W.W. Clegg and C.D. Wright, An analysis of the thermal characteristics of magnetic field modulation method of magneto-optical recording 120 (1993) 259
Lodder, C., see H. van Kranenburg 120 (1993) 225, 353
Lodder, J.C., see M. van Kooten 120 (1993) 145
Lodder, J.C., see P. ten Berge 120 (1993) 362
Lodder, J.C., see H. Fredrikze 120 (1993) 369
Lodder, J.C., see W.H. Kraan 120 (1993) 372
Loyd, R.A., see M. S-Araghi 120 (1993) 160
Luo, H.L., see X.P. Zhong 120 (1993) 190
Lyberatos, A., see M. van Kooten 120 (1993) 145
Lynch, W., see D. Speliotis 120 (1993) 172

McCarthy, T., see D. Perettie 120 (1993) 334
Maekawa, M., see N. Nagai 120 (1993) 33
Mapps, D.J., G. Pan, M.A. Akhter, S. Onodera and A. Okabe, In-contact magnetic recording performance of Pt/CoCrTa thin films on glass computer disks 120 (1993) 305
Marchon, B., see M.R. Khan 120 (1993) 310
Masoli, F., see G. Bottoni 120 (1993) 167, 213
Matsuda, H., G.A. Jones, O. Takano and P.J. Grundy, Room-temperature electroless deposition of high-coercivity Co–Ni–P films 120 (1993) 338
Mayo, P.I., see P.M. Sollis 120 (1993) 94
Melissant, J., see T. Wielinga 120 (1993) 116
Middleton, B.K., see A.K. Dinnis 120 (1993) 149
Middleton, B.K., see J.K. Li Hui Hong 120 (1993) 206
Middleton, B.K., see J.J. Miles 120 (1993) 375
Miles, J.J., see M. van Kooten 120 (1993) 145
Miles, J.J., see A.K. Dinnis 120 (1993) 149
Miles, J.J., see J.K. Li Hui Hong 120 (1993) 206
Miles, J.J. and B.K. Middleton, The effect of track width on transition noise in longitudinal thin-film media 120 (1993) 375
Miyamura, M., see M. Takahashi 120 (1993) 229
Mollard, P., see M. Gougeon 120 (1993) 40
Mollard, P., see V.V. Pankov 120 (1993) 69
Mollard, P., see I. Chassaing 120 (1993) 274
Moser, A., see A. Wadas 120 (1993) 379
Mouchot, J., see M. Kenny 120 (1993) 265
Müller, R., Preparation of $BaZn_{2-x}Co_xFe_{16}O_{27}$ W-type hexaferrite powders by the glass crystallization method 120 (1993) 61
Münster, E., Calculation of intrinsic magnetic fields in thin films 120 (1993) 286
Muraoka, H., see S. Yamamoto 120 (1993) 296
Muraoka, H., S. Yamamoto and Y. Nakamura, An analysis of medium noise of Co–Cr double-layer films in perpendicular magnetic recording 120 (1993) 323

Nagai, N., N. Sugita and M. Maekawa, Formation of hexagonal, platelike Ba-ferrite particles with low temperature dependence of coercivity 120 (1993) 33
Nakagawa, S. and M. Naoe, Effective suppression of internal stresses in Co–Cr films using a mixture of Ar and Kr as the sputtering gas 120 (1993) 345

Nakagawa, S., H. Tanaka and M. Naoe, Fe–Ni–Zr films with large perpendicular anisotropy deposited on PEN tape by facing targets sputtering 120 (1993) 349
Nakakura, C.Y., see F.E. Spada 120 (1993) 129
Nakamura, Y., see I. Tagawa 120 (1993) 136
Nakamura, Y., see S. Yamamoto 120 (1993) 296
Nakamura, Y., see H. Muraoka 120 (1993) 323
Naoe, M., see T. Hirata 120 (1993) 254
Naoe, M., see S. Nakagawa 120 (1993) 345, 349
Niarchos, D., see E. Devlin 120 (1993) 236

O'Grady, K., see P.M. Sollis 120 (1993) 94
O'Grady, K., see A.M. de Witte 120 (1993) 184, 187
O'Grady, K., see M. El-Hilo 120 (1993) 244
Oguchi, T., see T. Suzuki 120 (1993) 25
Ohno, T., see A. Ishikawa 120 (1993) 357
Okabe, A., see D.J. Mapps 120 (1993) 305
Onodera, S., see D.J. Mapps 120 (1993) 305
Ouahmane, H., see G. Suran 120 (1993) 232
Ouchi, K., see S. Yamamoto 120 (1993) 296

Pan, G., see D.J. Mapps 120 (1993) 305
Pankhurst, Q.A., see V.K. Sankaranarayanan 120 (1993) 73
Pankov, V.V., M. Pernet, P. Germi and P. Mollard, Fine hexaferrite particles for perpendicular recording prepared by the coprecipitation method in the presence of an inert component 120 (1993) 69
Papirer, E., E. Walter, A. Vidal and E. Held, Characterization of iron pigments 120 (1993) 53
Pardavi-Horvath, M., see F. Vajda 120 (1993) 289
Parker, D., see G.N. Coverdale 120 (1993) 210
Parker, F.T., see F.E. Spada 120 (1993) 129
Parker, M.R., see D. Richards 120 (1993) 164
Parker, M.R., see K. Song 120 (1993) 180
Perettie, D., W. Hwang, T. McCarthy, P. Pierini, D. Speliotis, J. Judy and Q. Chen, A high-performance, flexible substrate for thin-film media 120 (1993) 334
Pernet, M., see G. Litsardakis 120 (1993) 58
Pernet, M., see V.V. Pankov 120 (1993) 69
Peter, K., see D.E. Speliotis 120 (1993) 28
Pfeiffer, H. and R.W. Chantrell, Zero-field-cooled magnetization and initial susceptibility of magnetic particle systems 120 (1993) 203
Pierini, P., see D. Perettie 120 (1993) 334
Plößl, R., see P. ten Berge 120 (1993) 362
Popma, T.J.A., see H. van Kranenburg 120 (1993) 225, 353
Pressesky, J.L., see M.R. Khan 120 (1993) 310
Psycharis, V., see E. Devlin 120 (1993) 236

Rahman, I.Z., see M. Kenny 120 (1993) 265
Rahman, M.A., see M. Kenny 120 (1993) 265
Rekveldt, M.Th., see H. Fredrikze 120 (1993) 369
Rekveldt, M.Th., see W.H. Kraan 120 (1993) 372
Richards, D., J.W. Harrell and M.R. Parker, Remanence studies of interparticle interactions in Ba-ferrite 120 (1993) 164
Richter, H.J. and H. Hibst, Intrinsic hysteresis properties of ME tape 120 (1993) 217
Rösler, M., E. Held and H. Hofmeister, The effect of dendritic shapes of goethite particles on their transformation to iron oxide and iron particles 120 (1993) 48
Rousset, A., see M. Gougeon 120 (1993) 40
Rousset, A., see I. Chassaing 120 (1993) 274

S-Araghi, M., P.R. Bissell, R.W. Chantrell and R.A. Loyd, Reptation effects as a mechanism for localised demagnetisation in video tapes 120 (1993) 160
Saito, N., see T. Suzuki 120 (1993) 25
Sakano, S., see A. Ishikawa 120 (1993) 357
Samaras, D., see G. Litsardakis 120 (1993) 58
Sankaranarayanan, V.K., Q.A. Pankhurst, D.P.E. Dickson and C.E. Johnson, Ultrafine particles of barium ferrite from a citrate precursor 120 (1993) 73
Sarda, Ch., see M. Gougeon 120 (1993) 40
Sasaki, T., see J. Hokkyo 120 (1993) 281
Sato, K., see J. Hokkyo 120 (1993) 281
Scheinfein, M., see M.R. Khan 120 (1993) 310
Schelble, J., Stabilization of oleic acid in audio tapes 120 (1993) 122
Schildberg, H.P., G. Fischer, A. Hagemeyer and H. Hibst, Spacing loss of ME tape 120 (1993) 292
Schmitt, W., Erasability of Co-modified iron oxide tapes 120 (1993) 100
Schuller, K.H., see B. Cord 120 (1993) 330
Schulz, S., see B. Cord 120 (1993) 330
Schwab, E., R.J. Veitch and H. Auweter, Cobalt-modified iron oxides with improved aging stability 120 (1993) 43
Schwab, E. and R.J. Veitch, Influence of crystallite size and shape on the viscous magnetization of γ-Fe_2O_3 particles 120 (1993) 193
Seifert, G., see B. Dreßler 120 (1993) 319
Shimatsu, T., see M. Takahashi 120 (1993) 229
Shiroishi, Y., see A. Ishikawa 120 (1993) 357
Shyu, J.-P., see C.-R. Chang 120 (1993) 197
Simopoulos, A., see E. Devlin 120 (1993) 236
Sivertsen, J.M., see C.-L. Lin 120 (1993) 125
Sivertsen, J.M., see T.-A. Yeh 120 (1993) 314
Sklavounos, S., see G. Litsardakis 120 (1993) 58
Smardz, L., B. Szymański, R. Gontarz, P. Stefański and J. Barnaś, Interface magnetic anisotropy in metallic superlattices 120 (1993) 239
Smardz, L., see R. Gontarz 120 (1993) 278
Sollis, P.M., P.R. Bissell, P.I. Mayo, R.W. Chantrell, R.G. Gilson and K.O'Grady, Characterisation of the dispersion process using transverse susceptibility measurements 120 (1993) 94

Song, K., M.R. Parker and J.W. Harrell, Determination of activation volumes in BaFe and metal particle coatings 120 (1993) 180
Song, K., see T. Hirata 120 (1993) 254
Spada, F.E., F.T. Parker, C.Y. Nakakura and A.E. Berkowitz, Studies of anisotropy mechanisms in polyphosphate-treated magnetic iron oxide particles 120 (1993) 129
Speliotis, D., P. Judge, W. Lynch, J. Burbage and R. Keirsted, Extremely narrow switching fields in oriented Ba-ferrite particulate media 120 (1993) 172
Speliotis, D., see M.R. Khan 120 (1993) 310
Speliotis, D., see D. Perettie 120 (1993) 334
Speliotis, D.E., Double-layer particulate magnetic recording media 120 (1993) 11
Speliotis, D.E. and K. Peter, High density digital recording on 4 mm metal particle and Ba-ferrite tapes 120 (1993) 28
Speliotis, D.E. and C.E. Johnson, Particle orientation and waveform asymmetry in Ba-ferrite tapes 120 (1993) 112
Sportoletti, A., see B. Bozzini 120 (1993) 300
Spratt, G.W.D., see L. Lekawat 120 (1993) 103
Stefański, P., see L. Smardz 120 (1993) 239
Stergiou, A.C., see G. Litsardakis 120 (1993) 58
Suekane, M., see M. Takahashi 120 (1993) 229
Sugaya, H., T. Arai and Y. Ueda, Overwrite recording on different recording media 120 (1993) 106
Sugita, N., see N. Nagai 120 (1993) 33
Suran, G., H. Ouahmane and J. Sztern, On the origin of the perpendicular anisotropy in rare earth–transition metal amorphous films 120 (1993) 232
Suzuki, T., T. Oguchi, Y. Kishimoto and N. Saito, Ba ferrite 8 mm data tapes 120 (1993) 25
Suzuki, T., see J. Hokkyo 120 (1993) 281
Sztern, J., see G. Suran 120 (1993) 232
Szymański, B., see L. Smardz 120 (1993) 239
Szymanski, B., see R. Gontarz 120 (1993) 278

Tagawa, I. and Y. Nakamura, Particle coercivity distribution of magnetic recording medium 120 (1993) 136
Tailhades, P., see I. Chassaing 120 (1993) 274
Takahashi, M., T. Shimatsu, M. Suekane, M. Miyamura, K. Yamaguchi and H. Yamasaki, Magnetic evaluation of intergranular interactions in thin-film media by rotational hysteresis loss analysis 120 (1993) 229
Takano, O., see H. Matsuda 120 (1993) 338
Tanaka, H., see S. Nakagawa 120 (1993) 349
ten Berge, P., J.C. Lodder, R. Plößl and J.N. Chapman, Magnetic microstructure of sputtered Co–Cr films 120 (1993) 362
Terrenzio, E., see B. Bozzini 120 (1993) 300
Tsakalakos, T., see E. Devlin 120 (1993) 236
Tsutsumi, K., Direct overwrite materials for magneto-optic recording 120 (1993) 247

Ueda, Y., see H. Sugaya 120 (1993) 106

Vajda, F., E. Della Torre and M. Pardavi-Horvath, Characterization of disk media 120 (1993) 289
van Engelen, G.J.P., see J.P.J. Groenland 120 (1993) 327
van Kesteren, H.W., see D.M. Donnet 120 (1993) 268
van Kesteren, H.W. and W.B. Zeper, Controlling the Curie temperature of Co/Pt multilayer magneto-optical recording media 120 (1993) 271
van Kooten, M., S. de Haan, J.C. Lodder, A. Lyberatos, R.W. Chantrell and J.J. Miles, Simulations of the magnetization reversal of clustered Co–Cr particles 120 (1993) 145
van Kranenburg, H., C. Lodder and T.J.A. Popma, Asymmetric co-evaporated Co–Cr films: magnetic parameters and reversal mechanism 120 (1993) 225
van Kranenburg, H., C. Lodder and T.J.A. Popma, Morphology and texture of co-evaporated Co-Cr films 120 (1993) 353
Vass, A., Increasing the stability of dispersions using charge-developing low-molecular codispersants 120 (1993) 83
Veitch, R.J., see E. Schwab 120 (1993) 43, 193
Vidal, A., see E. Papirer 120 (1993) 53

Wadas, A., H.J. Hug, A. Moser and H.-J. Güntherodt, Domain structure of Ba ferrite observed by tunneling stabilized magnetic force microscopy 120 (1993) 379
Walter, E., see E. Papirer 120 (1993) 53
Wan, H., see E. Devlin 120 (1993) 236
Wang, G.H., see X.P. Zhong 120 (1993) 190
Watanabe, I., see S. Yamamoto 120 (1993) 296
Wielinga, T. and J. Melissant, New optical devices for surface roughness measurements 120 (1993) 116
Wright, C.D., see B. Liu 120 (1993) 259

Yamada, S., see T. Ishiguro 120 (1993) 366
Yamaguchi, K., see M. Takahashi 120 (1993) 229
Yamamoto, S., H. Muraoka, I. Watanabe, Y. Nakamura and K. Ouchi, Continuous fabrication of Co–Cr perpendicular magnetic recording tape 120 (1993) 296
Yamamoto, S., see H. Muraoka 120 (1993) 323
Yamasaki, H., see M. Takahashi 120 (1993) 229
Yeh, T.-A., see C.-L. Lin 120 (1993) 125
Yeh, T.-A., C.-L. Lin, J.M. Sivertsen and J.H. Judy, Friction, wear and elasto-plastic stress analysis of rf-sputtered carbon–nitrogen protective coatings for rigid magnetic storage disks 120 (1993) 314

Zangari, G., see B. Bozzini 120 (1993) 300
Zeper, W.B., see D.M. Donnet 120 (1993) 268
Zeper, W.B., see H.W. van Kesteren 120 (1993) 271
Zhong, X.P., G.H. Wang and H.L. Luo, Correlation of the activation volume with the crystallite size in γ-Fe_2O_3 and Co-modified γ-Fe_2O_3 fine particles 120 (1993) 190

Journal of Magnetism and Magnetic Materials 120 (1993) 389–391
North-Holland

journal of magnetism and magnetic materials

Subject index to volume 120

Activation volume 120 (1993) 180, 190, 244
Air lubrication 120 (1993) 319
Amorphous films 120 (1993) 232
Anisotropy
– induced 120 (1993) 278
– magnetic 120 (1993) 225, 229, 236, 357
– perpendicular 120 (1993) 232, 349
– surface 120 (1993) 239
Anisotropy model 120 (1993) 278
Annealing effect 120 (1993) 37

Ba ferrite 120 (1993) 11, 25, 28, 33, 58, 64, 73, 112, 164, 172, 180, 379
Barium 120 (1993) 40

Carbon 120 (1993) 314
Carbon overcoat 120 (1993) 125
Co alloy films 120 (1993) 357
CoCr/Al 120 (1993) 254
Co/Cr bilayer 120 (1993) 366
CoCr films 120 (1993) 225, 296, 323, 345, 369, 372
$Co_{81}Cr_{19}$ films 120 (1993) 362
CoCr particles 120 (1993) 145
Co-evaporated CoCr films 120 (1993) 353
CoMn thin films 120 (1993) 274
Co-modified iron oxides 120 (1993) 43, 100
CoNiP films 120 (1993) 338
CoNiW thin films 120 (1993) 213, 244
Co/Pt multilayers 120 (1993) 268, 271
CoPt thin films 120 (1993) 300
Cobalt modification 120 (1993) 40
Codispersant 120 (1993) 83
Coercivity 120 (1993) 167, 184, 197, 229, 342
– distribution 120 (1993) 136
– high 120 (1993) 330, 338
– perpendicular 120 (1993) 305
Composition effect 120 (1993) 37
Compositional separation 120 (1993) 225, 353
Contact printing 120 (1993) 106
Coprecipitation 120 (1993) 64, 69
CrO_2 particles 120 (1993) 19
Crystallite size 120 (1993) 190, 193
Curie temperature 120 (1993) 271

DCC system 120 (1993) 19
Data tape, 8 mm 120 (1993) 25
Demagnetization 120 (1993) 160, 217
Demagnetized state 120 (1993) 244
Demagnetizing field 120 (1993) 286
Dendritic shapes 120 (1993) 48
Digital recording 120 (1993) 149
Direct overwrite 120 (1993) 247
Dispersion stability 120 (1993) 87
Domain
– structure 120 (1993) 362, 379
– walls 120 (1993) 372
Double layer 120 (1993) 11
Dropouts testers 120 (1993) 119
Drying 120 (1993) 97
Dynamic coercivity 120 (1993) 177

Electric resistivity 120 (1993) 19
Electrodeposition 120 (1993) 300
Electrokinetic sonic amplitude measurements 120 (1993) 83
Electroless deposition 120 (1993) 338
Electrolytic CoPd films 120 (1993) 278
Erasability 120 (1993) 100, 103
Exchange coupling 120 (1993) 247

Fanning 120 (1993) 200
Fe/Pt 120 (1993) 236
FeZr films 120 (1993) 349
Ferrites 120 (1993) 274
Flexible disk 120 (1993) 16
Flexible media 120 (1993) 1, 76
Fluctuation field 120 (1993) 187
Flux method 120 (1993) 64
Frequency distribution 120 (1993) 119
Future recording 120 (1993) 1
γ-Fe_2O_3 120 (1993) 40, 129, 193

Garnet media 120 (1993) 265
Gas chromatography 120 (1993) 53
Glass crystallization 120 (1993) 61
Goethite 120 (1993) 48
Granular thin films 120 (1993) 342

Hard disks 120 (1993) 172, 300, 330
Henkel plots 120 (1993) 164
Hexaferrite particles 120 (1993) 69
Hydrolytic stability 120 (1993) 87
Hysteresis model 120 (1993) 221

In-contact recording 120 (1993) 305
Intergranular interaction 120 (1993) 229
Internal stress 120 (1993) 345
Intrinsic remanence 120 (1993) 221
Ionic exchange 120 (1993) 58
Ionic substitutions 120 (1993) 141
Iron oxide particles 120 (1993) 190
Iron particles 120 (1993) 48, 53, 167

Lubricant 120 (1993) 122

Magnetic anisotropy 120 (1993) 129
Magnetic coating 120 (1993) 116
Magnetic field modulation 120 (1993) 259
Magnetic force microscopy 120 (1993) 327
Magnetic interactions 120 (1993) 167, 197
Magnetic multilayers 120 (1993) 236, 239
Magnetic profile 120 (1993) 369
Magnetic recording market 120 (1993) 1
Magnetic recording media 120 (1993) 1
Magnetic tapes 120 (1993) 103
Magnetic viscosity 120 (1993) 180, 193
Magnetization
– reversal 120 (1993) 213, 217
– zero-field-cooled 120 (1993) 203
Magnetization model 120 (1993) 289
Magneto-optical recording 120 (1993) 247, 254, 259, 265, 268, 271, 274
Magnetostriction 120 (1993) 342
Measurement devices 120 (1993) 116
Metal evaporated tape 120 (1993) 217, 221, 281, 292
Metal particles 120 (1993) 11, 16, 28, 180
Micromagnetics 120 (1993) 375
Micromagnets 120 (1993) 177
Microstructure 120 (1993) 310, 353
Modelling 120 (1993) 154
Modified differential phase contrast microscopy 120 (1993) 268
Modified maghemite 120 (1993) 37
Modulation noise 120 (1993) 310
Monte Carlo method 120 (1993) 210
Mössbauer spectroscopy 120 (1993) 73, 129
Multilayer film 120 (1993) 247
Multilayer media 120 (1993) 149

Neutron depolarization 120 (1993) 372
Neutron reflection 120 (1993) 369
Ni–Ti–Zn substitutions 120 (1993) 33
Noise 120 (1993) 281, 323, 375
Non-magnetic layer 120 (1993) 16
Numerical model 120 (1993) 319

Oleic acid 120 (1993) 122
Overwrite recording 120 (1993) 106

Packing factor 120 (1993) 197
Particulate dispersion 120 (1993) 94, 210
Particulate media 120 (1993) 97, 184, 187
Peak shift 120 (1993) 25
Perpendicular recording 120 (1993) 58, 69, 154, 254, 296, 323
Pole density distribution 120 (1993) 366
Polyester films 120 (1993) 76
Polymer interaction 120 (1993) 87
Polymeric film 120 (1993) 334
Preferred orientation 120 (1993) 366
Protective coatings 120 (1993) 314

Rare earth–transition metal compounds
– films 120 (1993) 232, 247
Re-recording phenomena 120 (1993) 106
Recording characteristics 120 (1993) 281
Recording density 120 (1993) 1
Recording media 120 (1993) 206
Recording patterns 120 (1993) 327
Recording performance 120 (1993) 28, 206
Recording systems 120 (1993) 206
Reflecting layers 120 (1993) 265
Remanence 120 (1993) 164
Reptation 120 (1993) 160
Reversal mode 120 (1993) 141, 145, 200
Rotational hysteresis 120 (1993) 213

Simulation 120 (1993) 136, 145, 210, 289
Sodium polyphosphate 120 (1993) 129
Spacing loss 120 (1993) 292
Sputtering 120 (1993) 296, 314, 345, 349
Stability 120 (1993) 43, 122
Stiffness factor 120 (1993) 100
Storage 120 (1993) 319
Storage films 120 (1993) 286
Stress distribution 120 (1993) 125
Substrate 120 (1993) 76, 334, 357
Superlattice
– artificial 120 (1993) 239
Surface characteristics 120 (1993) 53
Surface coating 120 (1993) 43
Surface roughness 120 (1993) 116
Surface treatment 120 (1993) 129
Susceptibility
– initial 120 (1993) 203
– transverse 120 (1993) 94
Suspension 120 (1993) 83
Sweep rate 120 (1993) 184
Switching field distribution 120 (1993) 172
– remanent 120 (1993) 136

TPU
– conventional 120 (1993) 87
– dispersible 120 (1993) 87

Temperature dependence	120 (1993) 33, 177	Ultrafine particles	120 (1993) 73
Thermal modelling	120 (1993) 259	Underlayer effect	120 (1993) 305
Thick media	120 (1993) 149		
Thickness	120 (1993) 362	Video tapes	120 (1993) 160
Thin film media	120 (1993) 310, 334		
Transition region	120 (1993) 154	W-type hexaferrite	120 (1993) 61
Transverse susceptibility	120 (1993) 200	Waiting time	120 (1993) 187
Tunneling microscope	120 (1993) 379	Waveform asymmetry	120 (1993) 112
Twinning	120 (1993) 48	Wear	120 (1993) 125